

VEHICLE OCCUPANT SENSING SYSTEM HAVING SENSORS WITH FORMED TERMINALS

ABSTRACT OF THE DISCLOSURE

A vehicle occupant sensing system including a circuit carrier, an electric circuit with leads, and a sensor with a body and a plurality of formed terminals. Each of the terminals has a lower portion spaced a predetermined distance away from a plane defined by the bottom surface of the body. Moreover, the system has a plurality of conductive connectors each including a blade extending into the circuit carrier and into electrical communication with a lead of the electric circuit. The body is supported on the circuit carrier, and the terminals are supported by the top end of the connector. Also included is a method of manufacturing the same. The formed terminals allow the sensor to be more easily positioned relative to the connector, thereby facilitating assembly. Also, the connectors support the terminals when the connector attaches to the terminal, thereby inhibiting damage to the terminals that could otherwise occur.